

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claim 1 (cancelled). A method for providing audio access to information through a communication device, comprising the steps of:

receiving an audio request for information;
obtaining the information; and,
executing the obtained information.

Claims 2-14 (cancelled)

Claim 15 (withdrawn): A method for maintaining interpreter contexts during a voice browsing session, comprising the steps of:

(a) creating a first interpreter context for a first document;
(b) storing the first interpreter context;
(c) receiving a request for a second document;
(d) obtaining the second document; and,
repeating steps (a) - (c).

Claim 16 (withdrawn): The method of claim 15 wherein the first interpreter context includes:

an instruction pointer;
a program pointer;
a universal Resource Identifier; and,
document state information.

Claim 17 (withdrawn): The method of claim 15 further including the steps of:
determining whether an interpreter context exists for the second document.

Claim 18 (withdrawn): A voice browser comprising:
a reentrant interpreter maintaining separate contexts of information;
a parser, parsing the information; and,
a compiled document source object generating a intermediary from of the parsed information.

Claim 19 (withdrawn): The voice browser of claim 18 including a cache for storing the intermediary form of the information.

Claim 20 (withdrawn): An apparatus for responding to a Request during a voice browsing session comprising:

- a processor;
- a processor readable storage medium in communication with the processor, containing processor readable program code for programming the apparatus to:
 - retrieve a first document responsive to the Request;
 - create an first interpreter context for the first document, wherein the interpreter context includes a first interpreter context pointer value, a first instruction pointer value, a first state value, and a first tag value;
 - set a current interpreter context pointer to the first interpreter context value;
 - set a current instruction pointer to the first instruction pointer value;
 - set a current state to the first state value; and,
 - set a current tage to the first tag value.

Claim 21 (withdrawn): The apparatus of claim 20 further including processor readable program code for programming the apparatus to:

- check the current state value;
- process the first tag value responsive to the value of the current state value.

Claim 22 (withdrawn): The apparatus of claim 20 further including processor readable program code for programming the apparatus to:

- determine a Request for a second document;

set the current instruction pointer to a second instruction pointer value; and,
determine whether the second document is in cache;
retrieve the second document.

Claim 23 (withdrawn) The apparatus of claim 22 wherein the second document is not located in cache the apparatus further including processor readable program code for programming the apparatus to:

generate an intermediary form of the second document; and,
execute the intermediary form of the second document.

Claim 24 (withdrawn) The apparatus of claim 23 further including processor readable program code for programming the apparatus to:

store the intermediary form of the second document in cache.

Claim 25 (withdrawn) The apparatus of claim 23 wherein execution includes playing audio representing the second document.

Claims 26-30 (cancelled)

Claim 31 (withdrawn): A system for mapping prompts to prerecorded audio, comprising:

an audio prompt database storing at least one prerecorded audio;
code for generating a file identifying the least one prerecorded audio, wherein the file identifies the prerecorded audio using a unique identification; and,
code for organizing the prerecorded audio file into contexts.

Claims 32-33 (cancelled)

Claim 34 (currently amended): An apparatus for ~~provision of audio content to~~ enabling a voice browser to render an audio segment during a browsing session, the voice browser for receiving a document including contextual information and an associated text string to be rendered as audio, the apparatus comprising:

a database referencing a plurality of audio segments, each audio segment of the plurality associated with an identifier that uniquely identifies that audio segment;

~~a prompt audio object for receiving a text string, and determining an audio segment to render for the voice browser by referencing a prompt mapping configuration, and~~

~~the a prompt mapping configuration comprising a plurality of prompt classes, a plurality of occurrences of a plurality of text strings at least one text string, and a one-to-one association between each of the occurrences and a corresponding audio segment identifier, wherein the prompt mapping configuration is operable to specify a first text string having occurrences in multiple prompt classes each of the occurrences of each text string associated with a prompt class different from the other occurrences of that text string, and a one-to-one association between each of the occurrences and a different one of the audio segment identifiers; and~~

~~wherein the a prompt audio object is configured to receive use the contextual information about the browsing session, to use the contextual information to determine a prompt class in which to match the received text string to a text string occurrence, to match the received a text string from the document received by the voice browser to pre-recorded prompt labels by one of the plurality of occurrences of the at least one text string by searching only within the prompt class, wherein the match, through the association of text string occurrences to audio segment identifiers, results in identification of an audio segment identifier associated with the matched text string occurrence, and to determine to render the cause rendering of an audio segment, referenced in the database, that is identified by the audio segment identifier associated with the matched text string occurrence.~~

Claim 35 (currently amended): A computer-implemented method for provision of audio content to a voice browser during a browsing session enabling a voice browser to render an audio segment, the voice browser for receiving a document including contextual information and an associated text string to be rendered as audio, the method comprising:

~~receiving a text string to use in identifying an audio segment to render in the voice browser;~~

~~receiving contextual information related to the browsing session;~~

using the contextual information to identify a prompt class of audio segments from a plurality of prompt classes, each of the prompt classes ~~associating a globally unique~~ operable to include an association of an audio segment identifier unique across the prompt classes with a reference text string unique within the class; and

identifying an audio segment identifier by searching only within the identified prompt class for a reference text string matching the ~~received~~ text string from the document received by the voice browser, wherein the match, through the association of reference text strings to audio segment identifiers, results in identification of an audio segment identifier associated with the matched reference text string; and, and wherein obtaining an audio segment, referenced in a database, is obtained for rendering based on the identified audio segment identifier to render for the voice browser.

Claim 36 (previously presented): The method of claim 35, further comprising selecting an advertisement to render for the voice browser based on the contextual information.

Claim 37 (currently amended): The method of claim 35, ~~further comprising providing a wherein the association of audio segment identifiers with reference text strings is specified in a markup language document comprising a first prompt type element defining a first context and a second prompt type element defining a second context, and wherein the received contextual information is based on a current interpreting context in the markup language document.~~

Claim 38 (currently amended): A computer readable medium for enabling a voice browser to render an audio segment, the voice browser for receiving a document including contextual information and an associated text string to be rendered as audio, the computer-readable medium storing instructions for a method comprising:

~~receiving a text string to use in identifying an audio segment to render in the voice browser;~~

~~receiving contextual information related to the browsing session;~~

using the contextual information to identify a prompt class of ~~audio segments~~ from a plurality of prompt classes, each of the prompt classes ~~associating a globally unique~~ including an association of an audio segment identifier unique across the prompt classes with a reference text string unique within the prompt class;

identifying an audio segment identifier by searching only within the identified prompt class for a reference text string matching the received text string from the document received by the voice browser, wherein the match, through the association of reference text strings to audio segment identifiers, results in identification of an audio segment identifier associated with the matched reference text string; ~~and obtaining, the identified audio segment identifier for selecting an associated audio segment, referenced in a database, for rendering by an audio segment based on the identified audio segment identifier to render for the voice browser.~~

Claim 39 (currently amended): The computer readable medium of claim 38, wherein ~~the method further comprises selecting the instructions are further operable to select an advertisement to render for the voice browser based on the contextual information.~~

Claim 40 (currently amended): The computer readable medium of claim 38, wherein the association of audio segment identifiers with reference text strings is specified in a markup language document comprising a first prompt type element defining a first context and a second prompt type element defining a second context, and wherein the received contextual information is based on a current interpreting context in the markup language document.

Claim 41 (currently amended): A computer readable medium for enabling a voice browser to render an audio segment, the voice browser for receiving a document including contextual information and an associated text string to be rendered as audio, the computer-readable medium storing instructions for a method comprising:

providing a markup language document comprising at least two context indicating elements, which each define a browser context; ~~wherein in each browser context of the markup language document, providing the markup language document is operable to include a reference~~

~~text string comprising one or more words, wherein at least one of the words in each text string is that is common to among the text strings of each at least two browser context contexts of the markup language document, and wherein each such reference text string within a different browser context is associated with a different audio segment identifier each text string for voice rendering to a voice browser during a browsing session by determining utterances that match words of the text string; and~~

~~searching within a text string to utterance mapping configuration, wherein each text string/utterance mapping is associated with a browser context, to identify an appropriate audio segment to render for the words in common among the text strings, the search narrowed to search only within text string/utterance mappings associated with the current browser context~~

~~searching only within reference text string/audio segment identifier mappings associated with a current browser context for a match between the text string from the document received by the voice browser and the reference text string within the markup language document, wherein the match, through the reference text string/audio segment identifier mappings, results in identification of an audio segment identifier associated with the matched reference text string; and obtaining, the identified audio segment identifier for selecting an associated audio segment, referenced in a database, for rendering by an audio segment based on the identified audio segment identifier to render for the voice browser; and~~

~~indicating a matching utterance for rendering to a voice browser.~~

Claim 42 (new): A system for enabling a voice browser to render an audio segment---, the voice browser for receiving a document including contextual information and an associated text string to be rendered as audio, the system comprising:

a computer memory for storing instructions;

a database referencing a plurality of audio segments, each audio segment of the plurality associated with an audio segment identifier that uniquely identifies that audio segment; and

a processor for executing the instructions, the instructions for:

using the contextual information to identify a prompt class of audio segments from a plurality of prompt classes, each of the prompt classes

associating one of the audio segment identifiers unique across the prompt classes with a reference text string unique within the class; and

identifying one of the audio segment identifiers by searching only within the identified prompt class for a reference text string matching the text string from the document received by the voice browser, wherein the match, through the association of reference text strings to audio segment identifiers, results in identification of an audio segment identifier associated with the matched reference text string, and wherein an audio segment, referenced in the database, is obtained for rendering based on the identified audio segment identifier.

Claim 43 (new): The apparatus of claim 34, wherein the document is a markup language document.